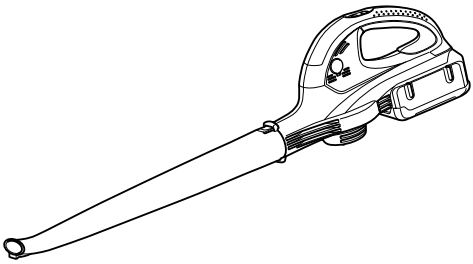
ENGLISH (Original instructions)

INSTRUCTION MANUAL

Cordless Blower

BUB360
UB360D



011049

IMPORTANT: Read Before Using.

ENGLISH (Original instructions)

SPECIFICATIONS

Model		BUB360	UB360D
Capacities	Air volume (HIGH)	4.4 m^3/min.	4.4 m^3/min.
	Air volume (LOW)	2.6 m^3/min.	2.6 m^3/min.
No load speed (min^{-1})	HIGH	17,000	17,000
	LOW	10,000	10,000
Overall length	(without long nozzle)	436 mm	439 mm
	(with long nozzle)	921 mm	924 mm
Net weight		3.1 kg	3.1 kg
Rated voltage		D.C. 36 V	D.C. 36 V

• Due to our continuing programme of research and development, the specifications herein are subject to change without notice.

• Specifications and battery cartridge may differ from country to country.

• Weight, with battery cartridge, according to EPTA-Procedure 01/2003

END012-1

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.

· Take particular care and attention.

· Read instruction manual.

· Keep a hand away from rotating parts.

· Danger; be aware of thrown objects.

· Keep bystanders away.

· Wear eye and ear protection.

· Do not expose to moisture.

· Only for EU countries
Do not dispose of electric equipment or battery pack together with household waste material!
In observance of European Directive 2002/96/EC on waste electric and electronic equipment, 2006/66/EC on batteries and accumulators and waste batteries and accumulators and their implementation in accordance with national laws, electric equipment and battery pack that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE018-1

Intended use

The tool is intended for blowing dust.

ENG102-3

Noise

The typical A-weighted noise level determined according to EN15503:

Sound pressure level (L_{pA}) : 81.2 dB(A)
Sound power level (L_{WA}) : 93.9 dB(A)
Uncertainty (K) : 2.5 dB(A)

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN15503:

Work mode : operation without load
Vibration emission (a_h) : 2.5 m/s^2 or less
Uncertainty (K) : 1.5 m/s^2

ENG901-1

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH021-6

For European countries only

EC Declaration of Conformity

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:
Cordless Blower
Model No./ Type: BUB360,UB360D
Specifications: see "SPECIFICATIONS" table.

are of series production and

Conforms to the following European Directives:

2000/14/EC, 2006/42/EC

And are manufactured in accordance with the following standards or standardised documents:

EN15503

The technical documentation is kept by our authorised representative in Europe who is:

Makita International Europe Ltd.
Michigan Drive, Tongwell,
Milton Keynes, Bucks MK15 8JD, England

The conformity assessment procedure required by Directive 2000/14/EC was in Accordance with annex V.
Measured Sound Power Level: 92.4dB (A)
Guaranteed Sound Power Level: 96dB (A)

12.11.2009

000230

Tomoyasu Kato
Director
Makita Corporation
3-11-8, Sumiyoshi-cho,
Anjo, Aichi, 446-8502, JAPAN

ENB116-4

BLOWER SAFETY WARNINGS

1. **Always use protective goggles, a cap and mask when using the blower.**
2. **Never point the nozzle at anyone in the vicinity when using the blower.**
3. **Warning - Electric shock could occur if used on wet surfaces. Do not expose to rain. Store indoors.**
4. **Never block suction inlet and/or blower outlet.**
   - **Do not block suction inlet or blower outlet to clean up in dusty areas.**
   - **Do not use the blower with a tapered nozzle smaller than the original one, such as a new nozzle obtained by attaching an extra diameter-reduced hose or smaller hose to the nozzle top end.**
   - **Do not Use the blower to inflate balls, rubber boat or the similar.**

   Increased motor revolution may cause dangerous fan breakage and result in serious personal injury. Heated motor and control circuit may cause a fire.
5. **Keep children, other bystanders and pets away from the blower while operating.**
6. **Do not operate the blower near open window, etc.**
7. **Operating the blower only at reasonable hours is recommended - not early in the morning or late at night when people might be disturbed.**
8. **Using rakes and brooms to loosen debris before blowing is recommended.**
9. **It is recommended to slightly dampen surfaces in dusty conditions or use mister attachment available on the market.**
10. **It is recommended to use the long nozzle so the air stream can work close to the ground.**
11. **The blower is not intended for use by young children or infirm persons without supervision.**
12. **Young children should be supervised to ensure that they do not play with the blower.**

SAVE THESE INSTRUCTIONS.

⚠WARNING:

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

ENC007-6

IMPORTANT SAFETY INSTRUCTIONS

FOR BATTERY CARTRIDGE

1. **Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.**
2. **Do not disassemble battery cartridge.**
3. **If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.**
4. **If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.**

5. **Do not short the battery cartridge:**
   (1) **Do not touch the terminals with any conductive material.**
   (2) **Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**
   (3) **Do not expose battery cartridge to water or rain.**

   A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
6. **Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50 ° C (122 ° F).**
7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
8. **Be careful not to drop or strike battery.**
9. **Do not use a damaged battery.**

SAVE THESE INSTRUCTIONS.

Tips for maintaining maximum battery life

1. **Charge the battery cartridge before completely discharged.**
   Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. **Never recharge a fully charged battery cartridge.**
   Overcharging shortens the battery service life.
3. **Charge the battery cartridge with room temperature at 10 ° C - 40 ° C (50 ° F - 104 ° F). Let a hot battery cartridge cool down before charging it.**

FUNCTIONAL DESCRIPTION

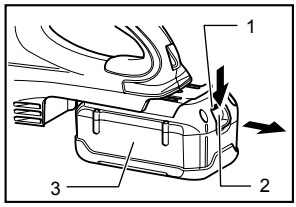
⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing or removing battery cartridge

⚠CAUTION:

- **Hold the tool and the battery cartridge firmly when installing or removing battery cartridge.** Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.



011050

1. Red part
2. Button
3. Battery cartridge

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, withdraw it from the tool while sliding the button on the front of the cartridge.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click. If you can see the red part on the upper side of the button, it is not locked completely. Insert it fully until the red part cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

Battery protection system

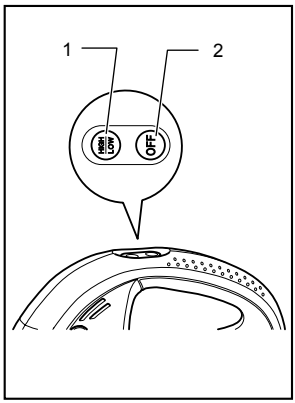
The battery cartridge is equipped with the protection system, which automatically cuts off the output power for its long service life.
The tool may stop during operation when the tool and/or battery are placed under the following situation. This is caused by the activation of protection system and does not show the tool trouble.

- When the tool is overloaded:
  At this time, press the "OFF" button and remove causes of overload and then press

the "HIGH/LOW" button again to restart. When the tool does not work even after pressing the "HIGH/LOW" button, the battery power auto-stop is still at work. Charge the battery cartridge before use.

- When the remaining battery capacity becomes low: Recharge the battery cartridge.

Switch action



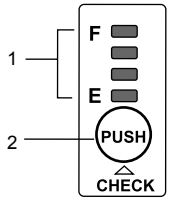
1. HIGH/LOW button
2. OFF button

011052

To start the tool, simply press the "HIGH/LOW" button. To switch off, press the "OFF" button. To change the tool speed, press the "HIGH/LOW" button. The first press on this button is for high speed and the second press for low speed and then each press on this button repeats the high/low speed cycle alternatively.

Battery remaining capacity indicator (only for models with Battery BL3622A)

Battery BL3622A is equipped with the battery remaining capacity indicator.



1. Indicator lamps
2. CHECK button

011715

Press the CHECK button to indicate the battery remaining capacity. The indicator lamps will then light for approx. three seconds.

Indicator lamps Lighted Off Blinking	Remaining capacity
E F	70% to 100%
	45% to 70%
	20% to 45%
	0% to 20%
	Charge the battery.
	The battery may have malfunctioned.

011713

- When only the lowermost indicator lamp (next to the "E") blinks, or when none of the indicator lamps light, the battery capacity has run out, so the tool does not operate. In these cases, charge the battery or replace the empty battery with a fully charged one.
- When two or more indicator lamps do not light even after charging is complete, the battery has reached the end of its service life.
- When the upper two and lower two indicator lamps light alternately, the battery may have malfunctioned. Contact your local Makita authorized service center.

NOTE:

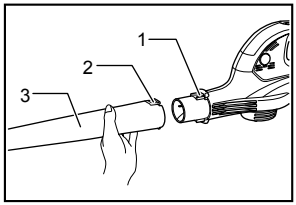
- The indicated capacity may be lower than the actual level during use or immediately after using the tool.
- Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

ASSEMBLY

⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

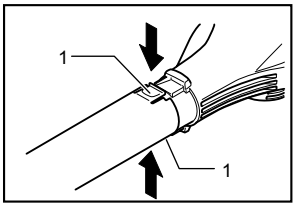
Installing or removing the long nozzle



1. Hook
2. Button
3. Long nozzle

011051

To install the long nozzle, push in onto the blower outlet of the tool all the way.

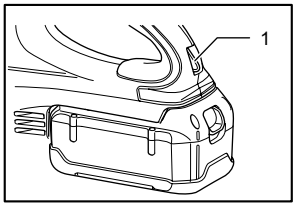


1. Button

011055

To remove the long nozzle, press its both buttons and with the buttons being pressed pull it out.

Installing the shoulder strap



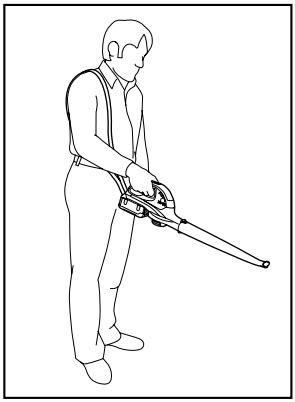
1. Hanger

011057

Pull the hanger out of the tool.
Hook the shoulder strap onto the hanger of the tool.
Before use, adjust the length of strap so that it is easy to work with it.

OPERATION

Blowing



011054

Hold the blower firmly with a hand and perform the blowing operation by moving it around slowly
When blowing around a building, a big stone or a vehicle, direct the nozzle away from them.

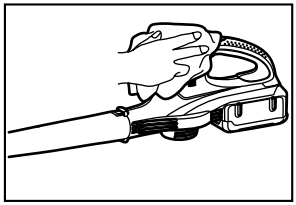
When performing an operation in corner, start from the corner and then move to wide area.

MAINTENANCE

⚠CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

Cleaning



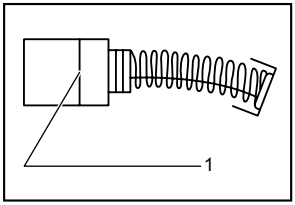
011053

From time to time, wipe off the outside of the tool using a cloth dampened in soapy water.

⚠CAUTION:

- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

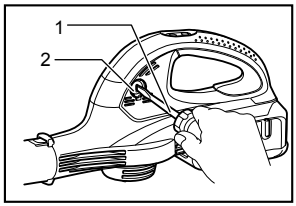
Replacing carbon brushes



1. Limit mark

001145

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



1. Screwdriver
2. Brush holder cap

011056

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.
To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

⚠CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Long nozzle
- Shoulder strap
- Various type of Makita genuine batteries and chargers
- Battery adapter

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

Makita Corporation
Anjo, Aichi, Japan

884967C224

www.makita.com